technologies for the conversion of wind energy so as to achieve to the maximum extent practicable, the goals of the Wind Energy Research Program set forth in section 4(a)(1) as those goals may be amended under section 4(b).

(C) There are authorized to be appropriated to the Secretary not to exceed $2,700,000 for each of the fiscal years 1991, 1992, and 1993 to carry out this paragraph.

(3) SOLAR THERMAL TECHNOLOGY.—(A) The Secretary shall solicit proposals for and provide financial assistance to at least one joint venture for the demonstration of the use of solar thermal energy in accordance with the provisions of this paragraph.

(2) The purpose of joint ventures supported under this paragraph shall be to design, test, and demonstrate critical enabling technologies for the use of solar thermal energy so as to achieve, to the maximum extent practicable, the goals of the Solar Thermal Energy Systems Program set forth in section 4(a)(3), as those goals may be amended under section 4(b).

(3) There are authorized to be appropriated to the Secretary not to exceed $2,400,000 for each of the fiscal years 1991, 1992, and 1993 to carry out this paragraph.

(4) FACTORY-MADE HOUSING.—(A) The Secretary shall solicit proposals for and provide financial assistance to at least one joint venture in order to establish regional projects to develop or demonstrate techniques to improve the energy performance of factory-made housing offered by United States firms. In locating projects under this paragraph, the Secretary shall consider regional differences in housing needs, housing design, construction technique, marketing practices, and construction materials.

(B) Projects supported pursuant to this paragraph shall be designed to demonstrate state-of-the-art product quality, energy efficiency, and adaptability to renewable forms of energy of factory-made housing offered for sale in the United States. Such projects shall—

(i) be structured to demonstrate improvements in housing design, fabrication, delivery systems, construction processes, and marketing;

(ii) develop a detailed characterization of the needs of the home building industry;

(iii) establish a close working relationship with all sectors of the home building industry; and

(iv) be coordinated to pool and conse

rve resources.

(C) There are authorized to be appropriated to the Secretary not to exceed $5,000,000 for each of the fiscal years 1991, 1992, and 1993 to carry out this paragraph.

Appropriation authorization.

(5) ADVANCED DISTRICT COOLING TECHNOLOGY.—(A) The Secretary shall solicit proposals for and provide financial assistance to at least one joint venture for the demonstration of advanced district cooling technologies that are applicable in cities with high cooling loads, in accordance with the provisions of this paragraph.

(B) The purpose of joint ventures supported under this paragraph shall be to develop technical strategies for decreasing the capital cost and increasing the energy efficiency of major district heating and cooling system components and to assist in making district cooling available to local governments.

Appropriation authorization.

Appropriation authorization.

Urban areas.

State and local governments.